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13. ABSTRACT (Maximum 200 Words)

Breast cancer survivors are at elevated risk for developing a new breast cancer compared to healthy women, and are at considerable risk for breast cancer recurrence. According to the American Society of Clinical Oncology, survivors should undergo careful breast cancer surveillance including annual mammography and breast self-exam. However, studies indicate that breast cancer surveillance among African American survivors, particularly mammography, is low, especially given the higher risk of survivors as a group. The promotion of breast cancer surveillance among African American survivors is an area that deserves special attention as cancers detected early are more treatable. One promising strategy is the adaptation of a peer-led intervention developed to increase screening among healthy African American women. The objectives of the current study are: 1) to evaluate the impact of a peer-led intervention on breast cancer surveillance intention and adherence among African American breast cancer survivors through a randomized controlled trial; and 2) to investigate the mediational pathways through which the peer-led intervention impacts surveillance intention and adherence.

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INTRODUCTION: Breast cancer survivors are at elevated risk for developing a new breast cancer compared to healthy women, and are at considerable risk for breast cancer recurrence. According to the American Society of Clinical Oncology, survivors should undergo careful breast cancer surveillance including annual mammography and breast self-exam. However, studies indicate that breast cancer surveillance among African American survivors, particularly mammography, is low, especially given the higher risk of survivors as a group. The promotion of breast cancer surveillance among African American survivors is an area that deserves special attention as cancers detected early are more treatable. One promising strategy is the adaptation of a peer-led intervention developed to increase screening among healthy African American women. The objectives of the current study are: 1) to evaluate the impact of a peer-led intervention on breast cancer surveillance intention and adherence among African American breast cancer survivors through a randomized controlled trial; and 2) to investigate the mediational pathways through which the peer-led intervention impacts surveillance intention and adherence. 409 participants will be recruited and randomized over the course of the study. Participants will be African American women age 20-74 years and diagnosed with Stage I, II or III breast cancer who previously participated in an ongoing parent project and are at least 3 months post-treatment. Once informed consent is obtained, participants will be contacted via telephone to complete a baseline interview assessing sociodemographic information, breast cancer surveillance intention and adherence, and attitudinal/cognitive variables. Participants will then be assigned to either the survivor surveillance intervention condition or control condition and those in the intervention condition will participate in the intervention. One month following the intervention, participants in both conditions will complete a telephone interview to assess breast cancer screening adherence and changes in attitudinal/cognitive variables from baseline to post-intervention. Fourteen months after the intervention, women in both conditions will be contacted again in order to assess surveillance intention and adherence.

BODY: The approved statement of work for the current study is included as Appendix A. <u>Please note</u>: we have not been able to proceed beyond the first five months of the statement of work because the Human Subject Protection Review has not been completed by the DoD's personnel (Maryann F. Pranulis, DNSc Human Subjects Protection Scientist, AMDEX), even though we submitted all necessary documentation in December 2003.

The first five months of the study were approved for various start-up tasks that are described below.

- A. Hire and train research assistant and data entry clerk: A research project coordinator and data manager were hired in the first year of the study.
- B. Collaborate with co-investigators and consultants to review assessment strategies and tailoring of the survivor surveillance(peer-led) intervention: We established weekly investigators meetings that include the PI, the project coordinator, and co-investigators (Drs. Bovbjerg and Valdimarsdottir and Ms. Jandorf). These meetings focus on intervention development and implementation issues, as well as assessment strategies.

During the first year of the study, we developed the peer-led intervention to increase breast cancer surveillance among African-American breast cancer survivors. This intervention is titled, "Survivors in Spirit (SIS)." This intervention is peer-led and will be implemented by two types of peer interventionist: 1) survivor speakers, or African-American breast cancer survivors who share their personal stories of breast cancer diagnosis, treatment, and follow-up care post-treatment, and 2) lay health educators, African American women who may or may not have a diagnosis of breast cancer who present didactic information about breast cancer recurrence risk, surveillance guidelines, and breast self-examination.

In order to tailor the survivor surveillance intervention, SIS, we conducted a qualitative study of 10 African American breast cancer survivors in order to identify factors that support and deter participation in post-treatment breast cancer surveillance and follow-up care. This work (approved by the IRB of Mount Sinai School of Medicine) was presented as a poster titled, "Factors Influencing Post-Treatment Breast Cancer Surveillance among African-American and African-Caribbean Breast Cancer Survivors:

A Qualitative Approach." This poster was presented at the Second Biennial Cancer Survivorship NCI/ACS Research Conference, Cancer Survivorship: Pathways to Health After Treatment. June 2004. The abstract is included in Appendix B.

Appendix C presents the information included on a flipchart that will be used as a teaching tool as part of SIS presentations. This information was reviewed by an advisory board comprised of physicians, breast cancer survivors, patient advocates and health educators. The members of this advisory board are presented in Appendix D. Appendix E includes a list of brochures we plan to make available at SIS presentations.

- C. Train peer interventionists: Appendix F includes a Powerpoint presentation that is used to train SIS' peer interventionist. To date, we have conducted two 4-hour sessions and trained 23 interventionists: 15 lay health educators and 7 survivor speakers, as well as 1 interventionist who has trained in both roles. As part of training, interventionists complete knowledge pre- and post-tests, which are presented in Appendix G. The mean pre-test score was 5.5 and the mean post-test score was 7.95, indicating a general increase in knowledge following training. Additionally, we have held 12 small-group practice sessions to review material presented in the formal training sessions and coach interventionists in terms of their style of presentation.
- D. Pilot test and refine unstandardized measures: Only one measure to be included in the assessment was not used in a published study: social influence on breast cancer surveillance, or one's perception that other African American women both participate in breast cancer surveillance and support surveillance. We analyzed data collected in a separate study from 35 African American women never diagnosed with breast cancer. These women (mean age 52 years, sd=7.4; range: 40 65 years) responded to 5 social influence items regarding breast cancer screening. Together, these items demonstrated high internal consistency (alpha=.90). Therefore, these items will be adapted for inclusion in the current study of breast cancer surveillance and follow-up care.
- F. Prepare data entry and participant tracking systems: Our data manager has prepared these databases through Access and SPSS.

KEY RESEARCH ACCOMPLISHMENTS: There are two key research accomplishments emanating from this research to date. The first is the development of a culturally-targeted peer-led intervention to increase post-treatment breast cancer surveillance and follow-up care among African American breast cancer survivor. This intervention is titled, "Survivors in Spirit: Looking Ahead to Life After Breast Cancer Treatment." The second key accomplishment is the completion of a qualitative study to identify factors influencing participation in follow-up care among African American breast cancer survivors. These data were used to tailor the SIS intervention.

REPORTABLE OUTCOMES: See abstract in Appendix B.

CONCLUSIONS: As Human Subject Protection Review has not been completed by the DoD's personnel Maryann F. Pranulis, DNSc) Human Subjects Protection Scientist, AMDEX), no data has been collected and conclusions are not presented.

Appendix A. Approved Statement of Work

Task 1: Study start-up (Months 1-5)

- a. Hire and train research assistant and data entry clerk
- b. Collaborate with co-investigators and consultants to review assessment strategies and tailoring of the survivor surveillance intervention
- c. Train peer interventionists (recruited from the ongoing Witness Project of Harlem)
- d. Pilot test and refine unstandardized measures
- e. Prepare data entry and participant tracking systems

Task 2: Recruit participants, conduct baseline assessment interview for randomized controlled trial evaluating peer-implemented survivor surveillance intervention, and conduct intervention (Months 6-30)

- a. Review database of parent project to identify eligible breast cancer patients
- b. Recruit 409 patients for randomized controlled trial via telephone and mail informed consent forms
- c. Administer baseline assessment interview for randomized controlled trial via telephone upon receipt of signed informed consent forms (expected total of baseline interviews=409)
- d. Randomize participants
- e. Mail incentives (\$20 money orders) for participation
- f. Develop schedule of survivor surveillance intervention presentations (expected total of presentations=14)
- g. Begin data entry and management

Task 3: One-month follow-up assessment interviews (Months 8-30)

- a. Contact participants via telephone to administer one-month follow-up assessment interviews (expected total of one-month follow-up interviews=389 with 5% attrition from baseline)
- b. Mail incentives (\$20 money orders) for participation
- c. Continue data entry and management

Task 4: Fourteen-month follow-up assessment interviews (Months 21-45)

- a. Contact participants via telephone to administer 14-month follow-up assessment (expected total of 14-month follow-up interviews=311 with 20% attrition from 1-month follow-up)
- b. Mail incentives (\$20 money orders) for participation
- c. Continue data entry and management

Task 5: Interim data analyses, report and presentations (Months 22-27)

- a. Work with co-investigators and consultants to conduct preliminary analyses for report
- b. Present preliminary results at scientific meetings

Task 6: Final data analyses, report and presentations (Months 45-48)

- a. Work with co-investigators and consultants to conduct analyses for report
- b. Present results at scientific meetings
- c. Prepare manuscripts for publication

Appendix B. Abstract of qualitative research to tailor intervention.

Factors Influencing Participation in Post-Treatment Breast Cancer Surveillance Among African-American and African-Caribbean Breast Cancer Survivors: A Qualitative Approach. <u>Hayley S. Thompson, PhD</u>, Monique Littles, MA,, Sherly Jacob, BS, Ruttenberg Cancer Center, Mount Sinai School of Medicine. Crystal Coker, BS, New York University.

Women diagnosed with breast cancer are at elevated risk of developing a second primary breast cancer and their risk of breast cancer recurrence is significant. Breast cancer recurrences and second primary cancers detected early are more treatable and better controlled. Unfortunately, African-American survivors are approximately half as likely to participate in post-treatment cancer surveillance, specifically mammography, compared to White survivors, and their length of follow-up care is significantly shorter. There are no published data on factors that serve as motivators of and barriers to follow-up care in this population. The current study sought to address this gap in the literature through open-ended key informant interviews.

Participants were 10 African-American and African-Caribbean breast cancer survivors between 38 and 63 years of age (mean age= 50). Educational levels were reported as follows: less than high school=20%, high school=40%, Associate's, Bachelor's, or graduate degree=40%. All participants were recruited from cancer support groups or the volunteer staff of cancer outreach programs. Time since the end of primary treatment ranged from 1 to 6 years. Assessment focused on the American Society of Clinical Oncology (ASCO) guidelines for post-treatment cancer surveillance (annual mammography, monthly breast self-exam, regular pelvic exam, and a schedule of more frequent physical examination and patient symptom history). All participants completed interviews focusing on follow-up care received in the past year, facilitators of or barriers to follow-up care, and general attitudes about recurrence. An open coding strategy was applied to identify common themes using the Ethnograph qualitative analysis software program. Participants were also asked to respond to three closed-ended items about their follow-up care.

Almost all participants reported receiving specific recommendations about follow-up care from their physicians after primary treatment. However, none reported that they were given information completely consistent with all the ASCO guidelines. The most common recommendation was to increase the number physician visits over the course of a year and the majority of participants reported at least one physical exam in the past year. Only 2 participants reported receiving specific mammography recommendations but almost all participants reported a mammogram in the past year. Half of participants also reported surveillance not included in ASCO guidelines, such as blood tests, bone scans, CT scans, ultrasound, MRI, and x-rays. In terms of factors that influence participation in follow-up care, 8 themes emerged: (1) the desire to maintain good health (e.g., belief in early detection); (2) concerns and fears about recurrence (e.g., preservation of unaffected breast); (3) support from health care providers (e.g., personalized encouragement from physicians, coordinated health care, support from nurses and health educators); (4) familial relationships (e.g., support from relatives, relationships with one's children and grandchildren); (5) relationships with other breast cancer survivors (e.g., support from survivors, serving as a role model to other survivors); (6) lack of support from family or friends; (7) lack of information; and (8) medical care costs. In terms of general attitudes about recurrence, 3 common themes emerged: (1) low perceived recurrence risk or no knowledge about actual risk; (2) the role of spirituality and faith in addressing possible recurrence, and (3) the role of diet and nutrition in recurrence. There was a largely positive response to closed-ended questions, with 70-80% of participants reporting that they receive enough information about breast cancer recurrence, that emotional and psychological concerns are adequately addressed at their follow-up visits, and that they feel reassured by such visits.

These findings suggest that multiple factors must be addressed as part of efforts to increase post-treatment cancer surveillance and follow-up care among survivors of African descent. However, further cross-cultural research (qualitative and quantitative) is needed to clarify the extent to which these factors are group-specific.

Appendix C. SIS presentation flipchart content

See separate PDF file.

Appendix D. Advisory board.

Eloise Nobles, Witness Role Model, Witness Project of Harlem

Desiree Walker, Witness Role Model, Witness Project of Harlem

Helen M. Webber, Witness Role Model, Witness Project of Harlem

Marilyn Moore, Executive Director, Witness Project of Connecticut

Stephanie Billingsley, Witness Role Model, Witness Project of Harlem

Elizabeth Carde, Lay Health Advisor, Witness Project of Harlem

Susan H. Lee, MD, Breast Surgeon, New York Hospital Queens Breast Center

Dorothy Burch, RN

Alberta Morgan, Lay Health Advisor, Witness Project of Harlem

Reather McAllister, Witness Role Model, Witness Project of Harlem

Jenny Romero, MD, Oncologist, Ralph Lauren Center for Cancer Care/Prevention

Erica Wahl, MS, CGC, Genetic Counselor, Ruttenberg Cancer Center, Mount Sinai School of Medicine

Lina Jandorf, Assistant Research Professor, Ruttenberg Cancer Center, Mount Sinai School of Medicine

Bert Petersen, Jr., MD, Surgical Oncologist, Beth Israel Medical Center

Vannisha Taylor, Witness Role Model, Witness Project of Harlem

Deborah Bristol, Kings County Hospital

Appendix E. Brochures to be available at SIS presentations

- 1. Survivors in Spirit Breast Health Resource Guide
- 1. When Cancer Recurs: Meeting the Challenge- (NCI)
- 2. Facing Forward Series: Life After Cancer Treatment- (NCI)
- 3. Your Guide to Breast Cancer Treatment- (breastcancer.org)
- 4. Your Guide to Breast Cancer Pathology Report- (breastcancer.org)
- 5. Genetic Testing for Breast Cancer Risk- (NCI)
- 6. Understanding Gene Testing- (NCI)
- 7. What You Need to Know About Ovarian Cancer- (NCI)
- 8. Financial Assistance for Cancer Care- (NCI)
- 9. Cancer Support Groups and Answers (Print Out)-(NCI)
- 10. Cancer and Careers: Living and Working with Cancer Workbook –(Cosmetic Executive Women Foundation)
- 11. Eating Hints for Cancer Patients: Before, During and After Treatment- (NCI)
- 12. American Cancer Society Guidelines on Nutrition and Physical Activity for Cancer Prevention (ACS)
- 13. Breast Self-Exam Shower Card

Appendix F. SIS interventionist training Powerpoint presentation

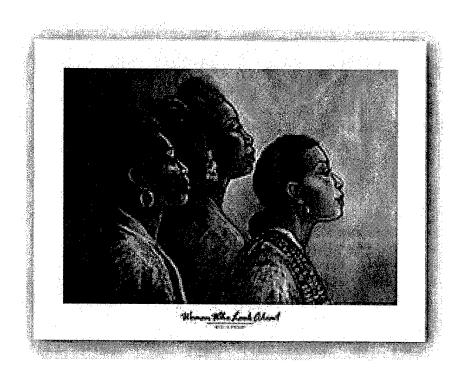
See separate PDF file.

Appendix G. SIS training pre- and post-tests.

Please answer the following questions True, False, or Not sure.

1.	Black breast cancer survivors are more likely to have a breast cancer recurrence compared to White survivors.	□True	□False	□Not sure
2.	Younger breast cancer survivors are more likely to have a breast cancer recurrence compared to older survivors.	□Yes	□No	□Not sure
3.	Breast cancer recurrence is more treatable and better controlled if it is found at an early stage.	∐Yes	□No	□Not sure
4.	Most breast cancer recurrences are found within the first 5 years following diagnosis and treatment.	□Yes	□No	□Not sure
5.	Only about 2% of breast cancer survivors are diagnosed with breast cancer recurrence.	□Yes	□No	□Not sure
6.	Breast cancer survivors only need to have physical exams about once a year after the have completed breast cancer treatment.	∐Yes	□No	□Not sure
7.	Breast cancer survivors should have regular pelvic exams and pap tests (at least once a year).	□Yes	□No	□Not sure
8.	Women who have already been diagnosed with breast cancer do not need to have yearly mammograms.	□Yes	□No	□Not sure
9.	Women diagnosed with breast cancer need to examine their own breasts every day.	∐Yes	□No	□Not sure
10.	Chest pain and problems with breathing can be signs of breast cancer recurrence.	∐Yes	□No	□Not sure

Survivors in Spirit (SIS)



Looking Ahead to Life After Breast Cancer Treatment

Mount Sinai School of Medicine Copyright 2004

Good news about breast cancer survivors

- There are over 2 million female breast cancer survivors in the U.S.
- About 160,000 of these survivors are African American or Black.



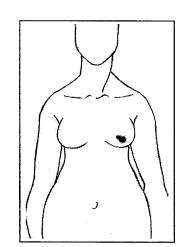
What is a breast cancer recurrence?

The reappearance of a cancer that was thought to be cured or in remission, developed from cancer cells that were not destroyed by initial cancer treatment.

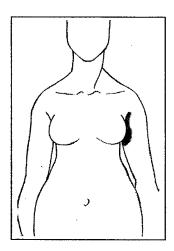
Not all recurrences are the same.

Types of breast cancer recurrence

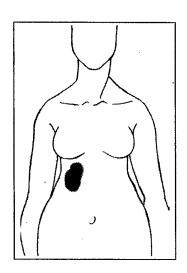
Local recurrence



Regional recurrence



Distant recurrence



How common is breast cancer recurrence?

Survivors with recurrence at 5-year follow-up

Local recurrence: 5-10%

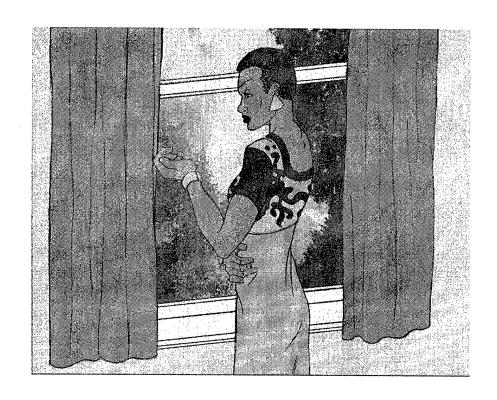
Distant recurrence: about 20%

Approximately 70% of recurrences are identified within the <u>first 5 years</u> after diagnosis and treatment.

Black survivors and recurrence

 Black breast cancer survivors may have less favorable recurrences.

 Black survivors do not necessarily have higher rates of recurrence.



* Age

Younger survivors are at greater risk for breast cancer

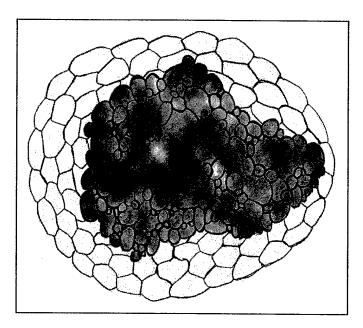
Features of the first breast cancer tumor

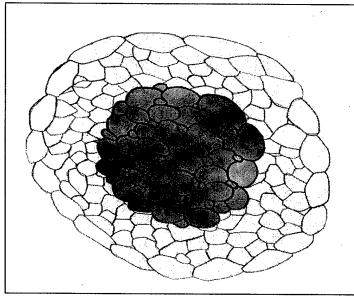
Information about one's tumor is in a pathology report that is part of one's medical records.

Features of the tumor

1. Positive/close and unclear or unknown resection margins:

Positive margins



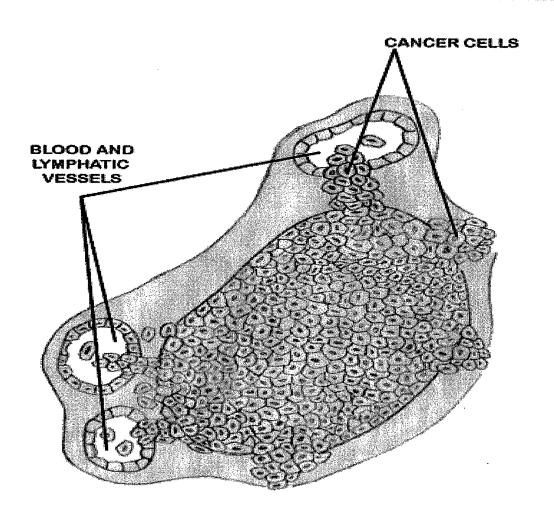


Negative margins

2. Extent of intraductal cancer (cancer in breast ducts):

The more cancer found in the ducts surrounding the tumor, the greater the risk of recurrence.

3. Vascular invasion (cancer in blood/ lymphatic vessels)



4. Positive lymph nodes:

The more lymph nodes that are determined to be positive (be cancerous), the greater the chance of recurrence

Regular follow-up care and screening for breast cancer recurrence

- Regular follow-up care and screening leads to early detection.
- « Getting regular follow-up care and screening can detect a tumor at an earlier stage and when it is smaller.



American Society of Clinical Oncologists (ASCO) Guidelines

- 1. A careful physical examination and symptom
 - 2-4 times a year for the first 3 years
 - *1-2 times for the next 2 years
 - *Once a year after that
- 2. Annual mammogram
- 3. Monthly breast self-exam (BSE)
- 4. Regular pelvic exam and pap test

ASCO Guidelines: Physical exam and symptom history

- ²-4 times a year for the first 3
 years (every 4-6 months)
- \$1-2 times for the next 2 years (every 6-12 months)
- Once a year after that

A physical exam can detect a recurrence even if the survivor has no symptoms.

ASCO Guidelines: Physical exam and symptom history

A survivor may not have nay symptoms or signs of breast cancer recurrence.

However, about 70% of recurrences are detected by patients themselves based on symptoms they notice between routine visits.

ASCO Guidelines: Symptoms of Recurrence

- 1. Any changes in the breast
- 2. Bone pain or tenderness
- 3. Chest pain or difficulty breathing.
- 4. Vaginal discharge or spotting
- 5. Abdominal pain
- 6. Seizures

ASCO Guidelines: Physical exam and symptom history

- 7. Persistent headache
- 8. Changes in mental functioning
- 9. Problems with movement
- 10. Problems seeing or hearing
- 11. Discomfort, fullness or pain in upper right part of the body
- 12. Weight loss
- 13. Fatigue

ASCO Guidelines

- Annual Mammogram
- Monthly Breast Self-Exam
- Regular Pelvic Exam & Pap Test

ASCO Guidelines

- Studies have compared the ASCO guidelines to more extensive testing, such as blood tests, bone scans, CT scans, and MRIs.
- There is no difference between the ASCO guidelines and more extensive testing.

Second primary breast cancer

- If a survivor is diagnosed with cancer in the breast that was not originally affected (the opposite breast), this is referred to as
 - * a second primary breast cancer
 - a new primary
 - * contralateral breast cancer
- This is a new cancer that is unrelated to the first and is not a recurrence.

Breast cancer genetics

- Genes called BRCA1 and BRCA2 control breast cell growth.
- BRCA mutations occur in about 10% of breast cancer survivors and their families.



Breast cancer genetics

Typically in these families:

- More than one person has been diagnosed with breast or ovarian cancer
- Family members are diagnosed at younger ages
- Family members may have been diagnosed with cancer in both breasts
- There may be men in the family diagnosed with breast cancer

Breast cancer genetics

- * Up to 64% of breast cancer survivors who carry a BRCA mutation develop a second primary breast cancer.
- For a survivor who has a BRCA mutation, the risk of developing ovarian cancer is up to 50%.
- A survivor's chance of developing a recurrence in the same breast is also increased.
- Genetic testing is available to learn if you have a BRCA mutation.

Black survivors and breast cancer genetics

- It is unknown if BRCA mutations are more common or less common among Black people compared to other racial/ethnic groups.
- It is known that the chance of an ambiguous or unclear result following BRCA testing is higher among Black people.

There are no formal screening guidelines for breast cancer survivors with a BRCA mutation.

Some organizations recommend the same follow-up care and screening as other survivors plus

pelvic exam 1-2 times a year

vaginal ultrasound 1-2 times a year

annual serum screening for CA-125, a tumor marker for ovarian cancer

Survivors with a BRCA mutation may also have surgery that removes the breasts or ovaries to help prevent cancer

Follow-up care and screening among breast cancer survivors

- A surprising number of breast cancer survivors do not get adequate followup care, regardless of race or ethnic background.
- Black survivors were half as likely to have a mammogram than White survivors in one study.
- The length of follow-up care for Black survivors was significantly shorter than that of White survivors in another study.

What keeps Black survivors from getting follow-up care?

- Lack of knowledge about the recommended guidelines for follow-up care.
- Not asking one's doctor the right questions about follow-up care.
- Fear of being diagnosed with cancer again.
- Avoiding talk or thoughts about cancer because that experience is "over."
- Lack of support from family and friends.
- Costs of medical care.
- Lack of awareness of programs that can help with the costs of care.

What motivates Black survivors to get follow-up care?

- Concerns about being diagnosed again
- Doctors' recommendations, support, care and concern
- Support from one's family
- Desire to survive to spend time with children and grandchildren
- Relationships with other breast cancer survivors
- Desire to live a healthy life

Take care of yourself!

- Be active in managing your stress
 - Research does not yet show a consistent link between stress and breast cancer.
 - * However, we know that stress can affect your immune system and help cause illness.

Take care of yourself!

The American Cancer Society has diet and exercise guidelines for cancer prevention:

- Eat a variety of healthful foods, especially fruits and vegetables
- Lead a physically active lifestyle
- Maintain a healthy weight
- Limit the drinking of alcohol
- Be aware of food safety

Breast self-examination(BSE)

During BSE, a woman is looking for any change in the breast

- Lumps
- Swelling
- Dimpling
- Changes in color of skin (redness or veins become visible)
- Nipple discharge
- Rashes
- Inverted nipples

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Tooking Ahead to

Life After Breast Cancer Treatment



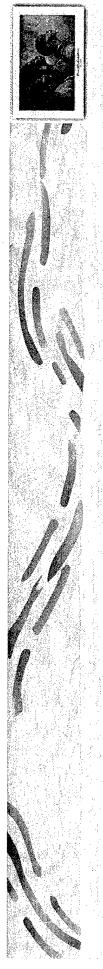
What is Survivors in Spirit?

up care that is recommended after they educational program focusing on Black have completed primary treatment for breast cancer survivors and the follow-* Survivors in Spirit (SIS) is an breast cancer.



What is Survivors in Solit?

* SIS is part of a research study funded by the Department of Defense Breast Cancer Research Program. *The purpose of the study is to develop and test SIS as a way to increase follow-up care among Black breast cancer survivors.



Why was SIS developed?

- for recurrence (having the cancer reappear). Breast cancer survivors are at risk
- * A breast cancer survivor is 3 times as likely to develop a new breast cancer compared to a woman who has never had breast cancer.



Why was SIS developed?

- *Once breast cancer treatment has ended, regular follow-up care and screening is important
- cancer recurrence or a new breast cancer at Regular follow-up care can detect a breast an early stage.
- *Cancer found early is better treated and controlled.



Why does SIS focis of Black **SULVIVORS?**

 It has been reported that Black SULVIVORS *are half as likely to get a mammogram compared to White survivors. *are medically followed for a shorter period of time compared to White survivors.



State the goals of State

- breast cancer treatment among Black guidelines for follow-up care after . To increase awareness about the SURVIVORS.
- 2. To increase participation in follow-up care among Black survivors.



* Black survivors will be more likely to participate in follow-up care

*if they hear from other Black survivors

*if they feel supported by other Black women

*if they have positive attitudes about that care



- * Black survivors will be more likely to participate in follow-up care
- If they are confident they can obtain that care
- *if they are presented with information that is specific to Black survivors



- * Black survivors will be more likely to participate in follow-up care
- * If spirituality and faith is emphasized along with the information they receive
- Spirituality and faith is often an important part of the cultures of people of African descent
- coping methods compared to White survivors Black and Latina survivors use more religious



CSIS JOHA SIOUS

- * Survivor speakers (breast cancer survivors) who
- Share their stories of cancer diagnosis, treatment, follow-up care and well-being after treatment.
- * Express the role of spirituality and faith in their cancer experience
- Serve as role models for other survivors



Who is part of SIS?

- * Lay health educators who
- * Teach the facts about breast cancer recurrence
- *Inform survivors about the recommendations for follow-up care
- *Teach breast self-examination (BSE) to survivors
- *Provide information about breast health resources



* Staff members who

*Train survivor speakers and lay health educators to conduct SIS programs

*Coordinate SIS programs and identify survivors who would like to attend programs

program to determine the impact the program had on *Interview these survivors before and after the SIS them



*Awarehess guides action

*Be positive



The role of volunteers and staff is to:

*Present facts, not opinions

* You may risk the project's reputation by stating opinions instead of facts * If you are not sure about something, be willing to say so and seek out the best answer



How does SIS work?

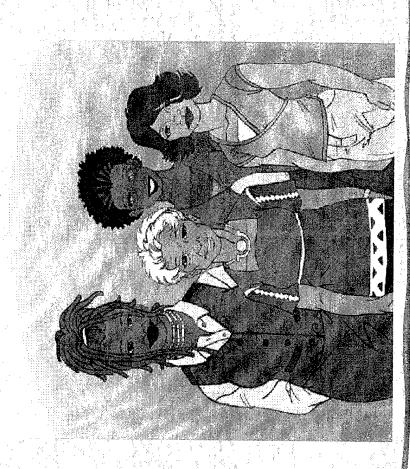
- through physicians and other health care providers. Black survivors in the community are identified
- they are interested in being in the research study that is These survivors are contacted by SIS staff and asked if testing the impact of SIS.
- * If they are interested, these survivors are given a specific date, time, and place to attend a SIS program.



How does SZS work?

- Trained survivor speakers and lay health educators conduct the SIS program at that time and place.
- speaker and lay health educator will be offered \$25 for *Because SIS is part of a research study, each survivor each program she conducts.
- *We expect to conduct approximately 15 SIS programs over a 3-year period.





- There are over 2
 million female breast
 cancer survivors in the U.S.
- About 160,000 of these survivors are African American or Black.



cancer survive and do not die of the Most women diagnosed with breast disease. * However, breast cancer survivors are at higher risk for breast cancer compared to other women never diagnosed.



Various breast cancer POCITION OF THE POST OF THE PO

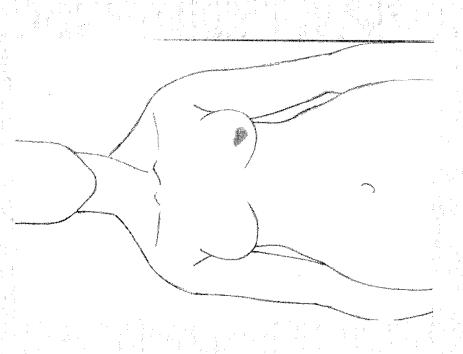
developed from cancer cells that were * The reappearance of a cancer that was thought to be cured or in remission, not destroyed by initial cancer treatment.

* Not all recurrences are the same.



* Local recurrence:

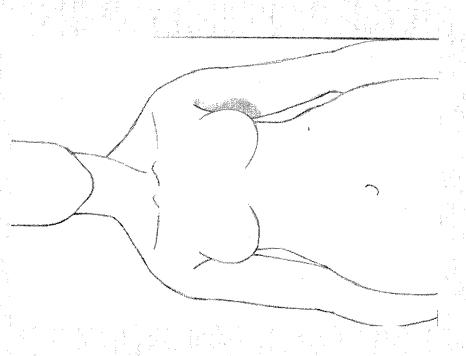
Recurrence found in the treated breast after breast-conserving treatment (such as lumpectomy) or the scar or chest wall after mastectomy





« Regional recurrence:

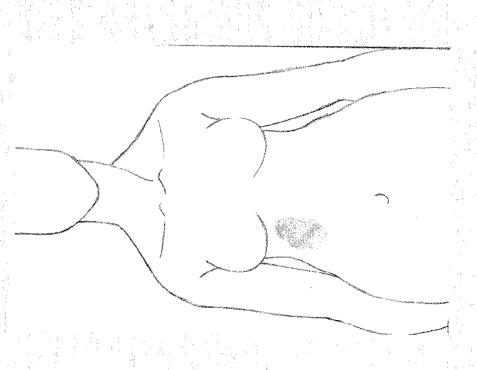
- Recurrence found in nearby lymph nodes or other tissues
- May occur in axillary lymph nodes (in armpits) and/or lymph nodes in the center of the chest and elsewhere near the chest.





* Distant recurrence:

Recurrence in which the cancer has spread (metastasized) to organs or other tissues far from the breast where it was originally found, such as liver or lungs.





* Even if cancer reappears in a part of the body other than the breast, it is have the same type of cells as the recurrence because it will usually considered a breast cancer original tumor.



- survivors diagnosed with in situ, stage 1 * In large research studies focusing on or stage 2 disease
- * 5-10% of survivors had a local recurrence at 5-year follow-up.
- *10-15% had a local recurrence at 10-year follow-up.



How common is fecultence?

- * About 20% of survivors had a distant recurrence at 5-year follow-up.
- Between 20-35 % of survivors had a distant recurrence at 10-year follow-up.
- Regional recurrence alone is less common and can occur along with local or distant recurrence.



How common is recurrence?

- * Approximately 70% of recurrences are identified within the first 5 years after diagnosis and treatment.
- * Careful follow-up care and screening during this 5-year period is essential.



Survival at 5-year follow-up

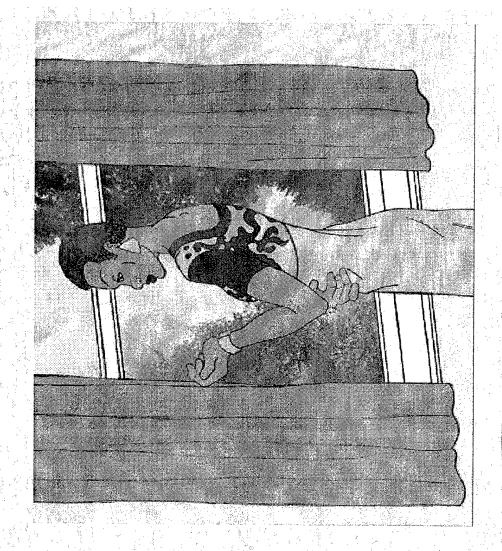
* Local recurrence: 72%

* No recurrence: 87%

* A woman can still be a long-term survivor after a local recurrence



- Black breast cancer survivors may have less favorable recurrences.
- More involvement of the skin
- * It is not clear whether rates of recurrence among Black survivors are higher than other groups or similar.



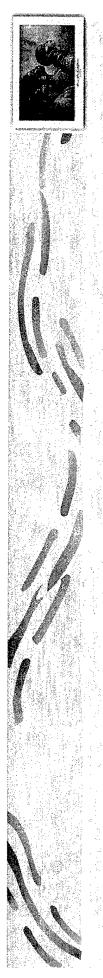


Risk factors for breast Cancer recurrence

- * A survivor has little control over most of the risk factors for recurrence.
- with her doctors in getting follow-up care. encourage a woman to work more closely However, awareness of risk factors may



- * Younger survivors are at greater risk for breast cancer recurrence
- "Young" means anywhere from 35-50 years in most studies. studies.
- Younger Women have a longer life expectancy and more time for cancer to recur.



RISK factors for breast cancer

(change of life), hormones and cancer growth. There is a relationship between menopause

 Younger women may have more unfavorable cancers.



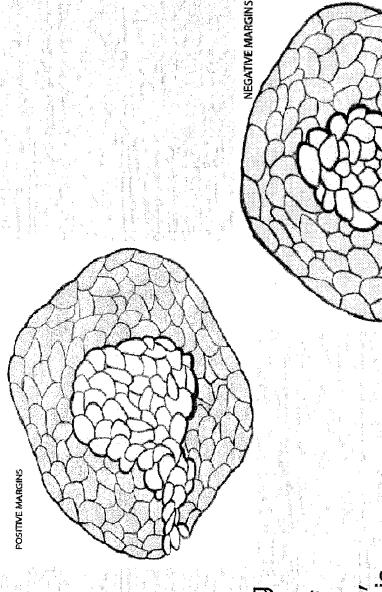
Risk factors for breast cancer

- * Information about one's tumor is in a pathology report that is part of one's medical records.
- Several features are believed to be strong risk factors



Positive/close and unclear or unknown resection margins:

If cancer is found at the edge of tumor tissue removed during surgery (or if it is unclear or unknown if cancer is at the edge), the risk of recurrence is greater.





rectrence: Featiles of the timot Risk factors for breast cancer

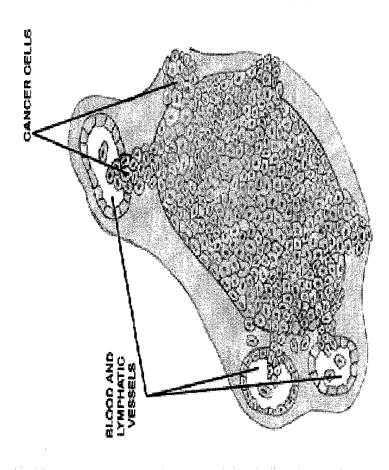
* Extent of intraductal cancer (cancer in breast ducts):

surrounding the tumor, the higher the risk of recurrence. The more cancer found in the ducts of recurrence.



recurrence: Features of the tumor Risk factors for breast cancer

Vascular invasion (cancer in blood/ lymphatic vessels); The more that cancer cells have entered the vessels surrounding the tumor, the greater the risk of recurrence.



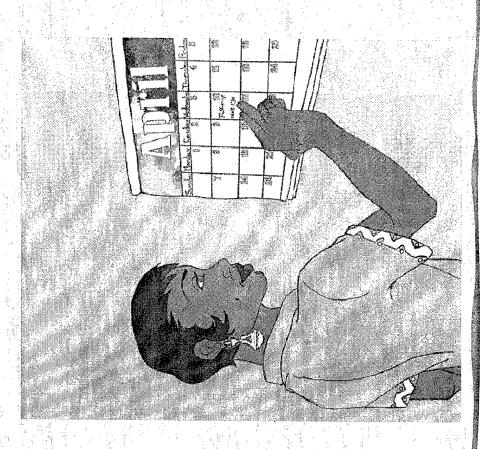


recurrence: Features of the tunor Risk factors for breast cancer

Positive lymph nodes

cancerous), the greater the chance of * The more lymph nodes that are determined to be positive (be recurrence





- Regular follow-up care and screening leads to early detection.
- There are benefits to early detection.
- Getting regular follow-up
 care and screening can
 detect a turnor at an earlier
 stage and when it is
 smaller



Regular follow-up care and screening for breast cancer recurrence

primary at an early stage, she is more likely to When a survivor detects a recurrence or second recover.

* Breast cancer found early is

*more treatable

better controlled

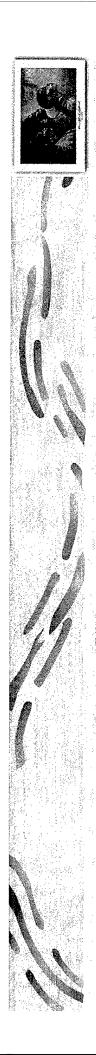


survivor's life (survival) and improve her * Finding the cancer early may extend a quality of life.

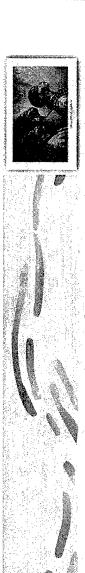


Regular follow-up care and screening for breast cancer recurrence

diagnosed with a distant recurrence later on in life. Survivors who find a recurrence when the tumor is smaller and less invasive are less likely



American Society of Cinical Orcologists Follow-up Care and Screening after Breast Cancer Treatment after (ASCO) Guidelines for Breast Cancer reatment



- * A full physical examination and symptom history
- *2-4 times a year for the first 3 years (4-6 months)
- *1-2 times for the next 2 years (6-12 months)
- *Once a year after that
- * Annual mammogram (with first one performed 6 months after the end of treatment)
- * Monthly breast self-exam (BSE)
- Regular pelvic exam and pap test



ASCO Guidelines: Ful Drysical STORE TO STO

- detected by patients themselves based on symptoms they notice between routine Approximately 70% of recurrences are Visits
- Physical exam can detect a recurrence even if the survivor has no symptoms



ASCO Guidelines: Symptoms of Recurrence

- * Any changes in the breast
- * mass or skin rash
- * Symptoms of bone metastasis (most common) *bone pain or tenderness
- Symptoms of pulmonary (lung) metastasis *Chest pain or difficulty breathing



ASCO Guidelines: Symptoms of Receivedon

- Gynecologic symptoms
- vaginal discharge or spotting or abdominal Dain
- *Central nervous system (CNS) symptoms
- *seizures, persistent headache, changes in mental functioning, problems with movement, or sensory loss (problems seeing, hearing, etc.)



ASCO Guidelines. Symbtons of Receleration Approximately 100 and 100

- Symptoms of liver metastasis
- *Discomfort, fullness or pain in the right upper part of body, fullness or pain, weight loss
- Other general symptoms including fatigue



Recero de la constant de la constant

persistent symptoms, she should talk with her doctor as soon as possible. * If a survivor notices suspicious or



- changes due to surgery and radiation have mammogram should be performed once Six months after treatment, a baseline stabilized
- After that, a mammogram should be conducted at least once a year
- A doctor may order more mammograms based on findings



cancer recurrence and second primaries Regular mammograms detect breast when tumors are smaller and at an earlier stage.



 Should be performed on both breasts, mastectomy or has a prosthesis. even if the survivor has had a

occur in the chest wall and skin flaps. mastectomy, local recurrence may * In survivors who have had a

ASCO Geldelnes: Regular Devic Exam & Pap Test

- A vaginal/rectal examination and pap test is recommended due to the increased risk of endometrial cancer (cancer in the uterus), especially in women taking tamoxifen
- symptoms include vaginal discharge and bleeding or spotting
- Women who have had a hysterectomy should consult with their physician as they may be examined less frequently.

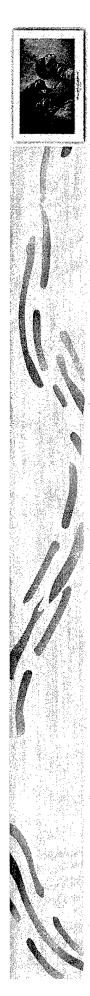


ASCO GrideInes

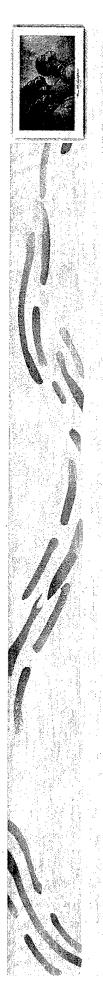
- more extensive testing, such as blood tests, Studies have compared these guidelines to bone scans, CT scans, and MRIs.
- guidelines and more extensive testing terms There is no difference between the ASCO
- * Time to recurrence detection
- * Mortality
- * Survival



- minimum follow-up care that a survivor * The ASCO guidelines represent the should receive.
- * A survivor may choose to have more extensive follow-up if she and her doctor decide that is best.



- * If a survivor is diagnosed with cancer in (the opposite breast), this is referred to as the breast that was not originally affected
 - * a second primary breast cancer* a new primary
- * contralateral breast cancer



Second Drimary breast cancer

- This is a new cancer that is unrelated to the first and is not a recurrence.
- 2-11% of survivors may develop a second primary.
- Chemotherapy and tamoxifen can lower your risk of a developing a second primary



- * Younger age
- * Family history of breast cancer
- specifically mother or sister diagnosed with breast cancer
- * Not the same as genetic risk for breast cancer



Breast cancer genetics

- Genes are in every cell of our bodies and control different functions.
- Genes called BRCA1 and BRCA2 control breast cell growth.
- Mutations or changes in these genes increase the risk of breast and ovarian cancer.



*BRCA mutations occur in about 10% of breast cancer survivors and their families.

*Breast cancer is "passed down" through generations.





Breast cancer genetics

Typically in these families:

- More than one person has been diagnosed with breast or ovarian cancer
- Family members are diagnosed at younger ages
- Family members may have been diagnosed with cancer in both breasts
- * There may be men in the family diagnosed with breast cancer



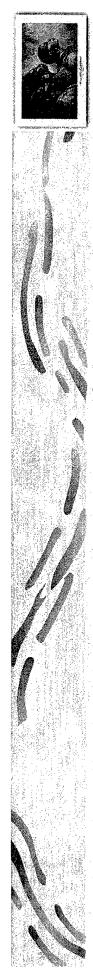
Breast cancer genetics

- Up to 64% of breast cancer survivors who carry a BRCA mutation develop a second primary breast cancer.
- * A survivor's chance of developing a recurrence in the same breast is also increased.
- For a survivor who has a BRCA mutation, the risk of developing ovarian cancer is up to 50%.



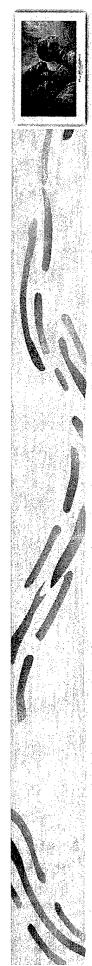
Generic counseling and testing

- Genetic testing is available to learn if you have a BRCA mutation.
- * Genetic testing involves a blood test.
- counseling with a certified counselor * It is important to undergo genetic before and after testing.



breast cancer genetics DIS YOUR SHO

- common or less common among Black people * It is unknown if BRCA mutations are more compared to other racial/ethnic groups.
- * It is known that the chance of an ambiguous or unclear result following BRCA testing is higher among Black people.
- * A mutation may be found but its effect on breast cancer is not known.



There are no formal screening guidelines for breast cancer survivors with a BRCA mutation:

 Some organizations recommend the same followup care and screening as other survivors plus

*Pelvic exam 1-2 times a year

*Transvaginal ultrasound (with color Doppler) 1-2 times a year





- *Option of prophylactic mastectomy and prophylactic oophorectomy
- *Removing the breasts and/or ovaries for cancer
- *prevention



among breast cancer survivors Folow-ID Care and Screening

treatment, regardless of racial/ethnic number of breast cancer survivors do Studies suggest that a surprising not get adequate follow-up care after background.



Follow-up care and screening among breast cancer survivors

* Survivors most likely to get a mammogram were those who were

*treated at a comprehensive breast center

*treated with radiation

*employed

*more than 6 years from diagnosis

*originally diagnosed through a mammogram

*lacking a recommendation from their doctor to have a mammogram



Black Survivors and follow-up care

 Black survivors were half as likely to have a mammogram than White survivors in one Study

survivors was significantly shorter than that The length of follow-up care for Black of White survivors (53 vs. 65 months) in another study.



What keeps Black survivors from getting follow-up care?

- Lack of knowledge about the recommended guidelines for follow-up care.
- Not asking one's doctor the right questions about follow-up care.
- Fear of being diagnosed with cancer again.
- Avoiding talk or thoughts about cancer because that experience is "over."



Vat keeps Back Survivors from getting follow-up care?

- * Lack of support from family and friends.
- * Costs of medical care.
- Lack of awareness of programs that can help with the costs of care.



* Concerns about being diagnosed again

* Doctors' recommendations, support, care and concern

* Support from one's family



What motivates Black survivors to get follow-up care?

* Desire to survive to spend time with children and grandchildren

* Relationships with other breast cancer survivors

Desire to live a healthy life



Take care of vourself.

- * Be active in managing your stress
- Research does not yet shown a consistent link between stress and breast cancer.
- However, we know that stress can affect your immune system and help cause Illness.



Take care of vourselfi

- * The American Cancer Society has diet and exercise guidelines for cancer prevention
- * Eat a variety of healthful foods, especially fruits and vegetables
- Lead a physically active lifestyle
- Maintain a healthy weight
- Limit consumption of alcoholic beverages
- Be aware of food safety



Teaching Breast Self-Examination (BSE)

- Special issues for breast cancer survivors
- Some survivors may not feel comfortable looking at their breasts or touching their breasts after cancer treatment
- Surgery, radiation therapy and chemotherapy can change the firmness and color of the breast



Teaching Breast Self-Examination (BSE)

- Special issues for breast cancer survivors
- * There may be small, hard bumps underneath or * Inclisions that are normal
- If the breast has been removed, ribs will be much closer to surface of the skin closer to surface of the skin
- Breasts may often be tender



Teaching Breast Self-Examination (BSE)

- * During BSE, a woman is looking for any change in the breast
- Sales in the second sec
- * Swelling
- * Dimpling
- * Changes in color of skin (redness or veins become visible)
- * Nipple discharge
- Rashes



What is the format of a 575 brogram?

- Program is opened with prayer or words of devotion or inspiration.
- Introduce the program and the goals of the program.
- Show SIS video?
- 4. Testimonies of at least 2 survivor speakers.



facts, risk factors, follow-up care guidelines, Lay health educators discuss recurrence and recurrence symptoms.

Survivor speakers discuss reasons why survivors may or may not get care and present resources. All SIS presenters teach and demonstrate BSE. Program is closed with prayer or words of devotion or inspiration.